

Smart Spatial Analyses in Land Leveling

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Abstract

Encyclopedia of Bio analytical Methods for Bioavailability and Bioequivalence Studies of Pharmaceuticals (E-BABE): It is a unique encyclopedia involving bio analytical methods for bioavailability and bioequivalence (BA/BE) studies of pharmaceuticals for suitable method selection with thousands of combinations and searches against these methods. Most scrutinized literature was collected from different sources including PubMed. This database has been curated using published methods for all most all pharmaceuticals. Required information for regular method development/validation such as IUPAC name, structure, solubility, chromatographic conditions, instrumentation information like HPLC, LCMS detection parameters, sample preparations, recovery details, limit of detection and limit of quantification, T_{max}, C_{max} etc., for routine application in BA/BE studies of pharmaceuticals was incorporated including official pharmacopeias information such as European Pharmacopeia, Japan Pharmacopeia and US Pharmacopeia. Database includes drug based bio analytical methods covering most required fields and external database links of important drug portals such as drug bank, Rxlist, MEDLINE plus, KEGG Drug ID, KEGG Compound ID, Merck manual, PubChem compound ID, PubChem substance ID and USFDA. Searching/querying the database is through drug name, chemical formula or structural search by smiles format. Keen selections of bio analytical methods for pharmaceutical analysis or regular quality control are also possible with E-BABE. E-BABE was built understanding the needs of pharmaceutical industry and laboratories including CROs working on BA/BE studies

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Biography

Isham Alzoub has completed his PhD at the age of 27 years from Tehran University and studies From Doctor of Philosophy degree in agricultural Mechanization Engineering (University of Tehran – Iran) and he has completed his postdoctoral studies at the age of 40 years from School of Surveying Geospatial Engineering Department of Surveying and Geomatics Engineering,

University of Tehran – Iran. Currently working as a General commission for scientific agricultural research – Damascus – Syria (Mechanical Engineer). He has published more than 16 papers in reputed journals and has been serving as an editorial board member of reputed.